HP Database and Middleware Automation

for the Red Hat Enterprise Linux operating system

Release Notes

Software version: 10.01 / April 2013

This document provides an overview of the changes made to HP Database and Middleware Automation (HP DMA) for the 10.01 release. It contains important information not included in the manuals.

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In This Version

The following new features were added to the HP DMA version 10.01 platform and solution packs:

HP DMA Can Now Use a Proxy Server

HP DMA can now be configured to use a proxy server for communication between the HP DMA server and managed servers in the target environment. In most cases, this means that HP DMA can share a firewall port with other applications.

For more information, see "How to Use a Proxy Server with HP DMA" in the *HP DMA Administrator Guide*.

API Enhancements and Documentation

The HP DMA application programming interfaces (APIs) have been improved and extended to cover a broader set of use cases. Some of the actions that you can now perform using the APIs are:

- Starting and monitoring workflows

- Moving automation content and environment settings from one HP DMA server to another

- Modifying roles, capabilities, and permissions

- Modifying automation items including workflows, steps, deployments, functions, and policies

- Modifying target environment elements including organizations, servers, instances, databases, Custom Fields, and Smart Groups

- Bringing unassigned servers into the HP DMA target environment

An interactive *API Reference Guide* is installed with DMA 10.01 and can be displayed in a browser using the following URL:

https://*<DMA_server>*:*<DMA_port>*/dma/api

Here, *<DMA_server>* represents the host name or IP address of the HP DMA server and *<DMA_port>* represents the port configured for HP DMA (typically 8443).

UI Enhancements

The HP DMA web interface has been improved in the following ways:

- Users can now view their assigned roles and effective capabilities. Previously, this information was only available to a user with Administrator capability.

- The Custom Field page now lists the steps that use a particular Custom Field.

- The Smart Group page now lists the deployments that use a particular Smart Group.

- The Function page now lists the functions that import a particular function.

The last three enhancements help users better assess the consequences of modifying (or deleting) a particular item that may be used in multiple places.

WebSphere Configuration Workflows

Three new configuration management workflows for IBM WebSphere Application Server Network Deployment (WebSphere) are now included in the HP DMA Middleware solution pack.

These workflows enable you to quickly, efficiently, and accurately configure your WebSphere environment. You maintain control and flexibility by configuring environment-specific information through a rich set of input parameters.

> See the *HP DMA WebSphere Configuration Management User Guide* for detailed information about these new workflows, including descriptions of all input and output parameters.

AIX Support for Oracle Workflows

Most Oracle patching, provisioning, and database refresh workflow now support AIX version 6.x and 7.x targets. See the *HP DMA Solution Packs Support Matrix* for additional information.

Oracle WebLogic Provisioning

The Provision WebLogic Software workflow now can install Oracle WebLogic as a non-root user.

Function Import Technology

HP DMA steps and functions now can import functions by reference instead of direct code replacement. This removes the number of characters constraint on steps (previously 64K).

New Global Custom Fields

Seven new global Custom Fields are now available: DMA.ExecutionId, DMA.Url, DMA.User, DMA.Version, Deployment.Name, Workflow.Name, and Step.Name.

Installation Notes

Installation requirements and instructions for installing HP DMA 10.01 are documented in the *HP Database and Middleware Automation Installation Guide*. The document file is included on the HP DMA DVD as:

```
DMA_10.01_Documentation/DMA_10.01_Installation_Guide.pdf
```

Platform Requirements

The HP DMA version 10.01 server requires Red Hat Enterprise Linux version 5.8 or 6.1, 64-bit. See the *HP DMA Installation Guide* for additional information, including sizing requirements.

Supported Browsers for HP DMA

The HP DMA web UI supports the following browsers: Chrome, Firefox, and Internet Explorer 8 or 9.

Supported HP DMA Target Platforms

For details regarding the operating systems and versions supported by each HP DMA workflow, see the *HP DMA Solution Packs Support Matrix*. This document is available at the following web site:

http://h20230.www2.hp.com/selfsolve/manuals

See Documentation Updates for information about accessing this web site.

HP DMA Solution Packs

The HP DMA version 10.01 solution packs are included on the installation DVD. This includes the following solution packs:

DVD Directory Name	Solution Packs
`DMA_10.01_Database_Solution_Packs`	Database Compliance Database Provisioning Advanced Database Provisioning Database Patching Advanced Database Patching Database Release Management Database Refresh
`DMA_10.01_Middleware_Solution_Packs`	Application Server Provisioning Application Server Patching Application Server Configuration Management Application Server Release Management
`DMA_10.01_Server_and_Client`	Discovery

▶ The Discovery solution pack is not automatically installed when the HP DMA server is installed. You must import it manually, as you would any other solution pack. See the *HP DMA Installation Guide* for instructions.

Backward Compatibility

All currently supported HP DMA solution packs run on the HP DMA 10.01 platform.

⚠️ If you currently use customized workflows or steps, be sure to first import the HP DMA 10.01 solution packs, and then apply your customizations to copies of the pertinent workflows and steps.

Fixed Issues

To display details about each software fix, click the Change Request number link to go to the HP Software Online Support web site. The first time you click a link, you must enter your HP passport information (see Support).

Change Request	Area	Description
QCCR1D152848	Smart Group page	The Role drop-down on the (New) Smart Group page now accommodates long role names.
QCCR1D155254	Environment Dashboard page	The visual presentation of the Environment > Dashboard page for users who do not have administrative privileges was fixed.
QCCR1D155346	Workflow execution	Scheduled deployments now execute once per target server (regardless of Smart Group membership).
QCCR1D155348	Workflow execution	A non-administrative user who has Execute permission on the deployment and Read permission on the organization where the targets reside can now run a workflow – regardless of whether that user has Read permission on any policies referenced by the deployment.
QCCR1D156609	Import OSTools function	Problems in the `gunzip_and_extract_tgz` method were fixed.
QCCR1D157212	Run Workflow step	The description of the Parameter Value Delimiter parameter for the Run Workflow step was updated to read as follows: Required: The delimiter to be used in setting parameter values. This can be changed to allow different parameter values to go through unharmed. The parameter description now matches the correct behavior and requirements of the step.
QCCR1D157261	Provision Oracle Data Guard workflow	The workflow now accepts a non-default ASM Disk Group name.
QCCR1D158568	Deploy Dataguard One Node RAC workflow	Valid parameters are no longer disabled (grayed out).
QCCR1D159468	Workflow execution	The HP DMA Automation Platform Extension (APX) now specifies the device ID instead of the host name of the server. This prevents the execution from failing when a server's SA name does not match its host name

Change Request	Area	Description
QCCR1D159699	Provision WebSphere 8 and Deployment Manager workflow	You can now specify installation path names that contain spaces (for Windows targets).
QCCR1D160059	Solution Pack rollback	Previously, solution pack rollback and delete occasionally failed when a solution pack upgrade no longer contained a step that was included in a previous version of that solution pack. HP DMA now identifies the specific version to which each step must be rolled back.
QCCR1D160121	Add Oratab Entry step	The step no longer adds a duplicate entry to the `oratab` file.
QCCR1D160179	Solution Pack rollback	The performance of solution pack rollback was improved.
QCCR1D160454	Discovery	The Discovery workflow for now correctly identifies the Oracle instance for each Oracle RAC node and stores that information in the environment.
QCCR1D161122	Workflow execution	You can now run workflows on Windows targets as a Windows domain user. IMPORTANT: When running the MS SQL - Install Standalone SQL Instance workflow, you must set the following parameters in the MS SQL - Advanced Parameters - Install Standalone step to User Selected and specify the following values in your deployment: SQL Service Account = Server.domain_username.win SQL Service Password = Server.domain_password_win SQL Sysadmin Accounts = Server.domain_username_win All three parameter value types must be set to Custom Field.

Enhancements

To display details about each software fix, click the Change Request number link to go to the HP Software Online Support web site. The first time you click a link, you must enter your HP passport information (see Support).

Change Request	Area	Description
QCCR1D150801	API	A fully featured REST application programming interface (API) is now available. See the new interactive *HP DMA API Reference Guide* for details.
QCCR1D155353	Custom Fields	The following global Custom Fields are now available: • DMA.ExecutionId • DMA.Url • DMA.User • DMA.Version • Deployment.Name • Workflow.Name • Step.Name
QCCR1D156543	Discovery workflow	The Discovery workflow now populates additional information for Oracle Database instances: • The current OPatch Version • The current Oracle PSU/CPU Patch Level • The current Oracle PSU/CPU Patch ID
QCCR1D159134	Smart Groups	Smart Groups must now have unique names.
QCCR1D159343	Server ↔ Target communication	HP DMA 10.01 can be configured to communicate through an HP Server Automation Satellite.

Support

You can visit the HP Software support web site at:

http://www.hp.com/go/hpsoftwaresupport

This web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract. To find more information about support access levels, go to the following URL:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to the following URL:

http://h20229.www2.hp.com/passport-registration.html

Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

Documentation Updates

The first page of this release notes document contains the following identifying information:

- Version number, which indicates the software version.
- Publish date, which changes each time the document is updated.

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

http://h20230.www2.hp.com/selfsolve/manuals

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

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